

Applicant : Jiro Kishimoto et al.  
Serial No. : 09/822,722  
Filed : March 30, 2001  
Page : 2

Attorney's Docket No. 10287-058001

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-33. canceled

34. (previously presented) A cell culture, comprising: a dermal papilla (DP) cell, a cell culture medium, and a Wnt polypeptide or a functional fragment or analog thereof, in an amount sufficient to promote or maintain the DP cell in anagen phase.

35. (previously presented) The culture of claim 34, wherein the Wnt polypeptide is Wnt 3a.

36-108. canceled

109. (not entered) The cell culture of claim 34, wherein the Wnt polypeptide is Wnt 3.

110. (not entered) The cell culture of claim 34, wherein the Wnt polypeptide is Wnt 4.

111. (not entered) The cell culture of claim 34, wherein the Wnt polypeptide is Wnt 7a.

112. (not entered) The cell culture of claim 34, wherein the Wnt polypeptide is Wnt 7b.

113. (not entered) A cell culture, comprising a dermal papilla (DP) cell, a cell culture medium, and a Wnt polypeptide in an amount sufficient to promote or maintain the DP cell in anagen phase.

114. (not entered) The cell culture of claim 113, wherein the Wnt polypeptide is Wnt 3.

115. (not entered) The cell culture of claim 113, wherein the Wnt polypeptide is Wnt 4.

Applicant : Jiro Kishimoto et al.  
Serial No. : 09/822,722  
Filed : March 30, 2001  
Page : 3

Attorney's Docket No. 10287-058001

- 116. (not entered) The cell culture of claim 113, wherein the Wnt polypeptide is Wnt 3a.
- 117. (not entered) The cell culture of claim 113, wherein the Wnt polypeptide is Wnt 7a.
- 118. (not entered) The cell culture of claim 113, wherein the Wnt polypeptide is Wnt 7b.
- 119. (not entered) The cell culture of claim 34, wherein the DP cell is isolated.
- 120. (not entered) The cell culture of claim 35, wherein the DP cell is isolated.
- 121. (not entered) The cell culture of claim 109, wherein the DP cell is isolated.
- 122. (not entered) The cell culture of claim 110, wherein the DP cell is isolated.
- 123. (not entered) The cell culture of claim 111, wherein the DP cell is isolated.
- 124. (not entered) The cell culture of claim 112, wherein the DP cell is isolated.
- 125. (not entered) The cell culture of claim 113, wherein the DP cell is isolated.
- 126. (not entered) The cell culture of claim 114, wherein the DP cell is isolated.
- 127. (not entered) The cell culture of claim 115, wherein the DP cell is isolated.
- 128. (not entered) The cell culture of claim 116, wherein the DP cell is isolated.
- 129. (not entered) The cell culture of claim 117, wherein the DP cell is isolated.
- 130. (not entered) The cell culture of claim 118, wherein the DP cell is isolated.

Applicant : Jiro Kishimoto et al.  
Serial No. : 09/822,722  
Filed : March 30, 2001  
Page : 4

Attorney's Docket No. 10287-058001

- 131. (not entered) The cell culture of claim 34, wherein the Wnt polypeptide is recombinant.
- 132. (not entered) The cell culture of claim 35, wherein the Wnt polypeptide is recombinant.
- 133. (not entered) The cell culture of claim 109, wherein the Wnt polypeptide is recombinant.
- 134. (not entered) The cell culture of claim 110, wherein the Wnt polypeptide is recombinant.
- 135. (not entered) The cell culture of claim 111, wherein the Wnt polypeptide is recombinant.
- 136. (not entered) The cell culture of claim 112, wherein the Wnt polypeptide is recombinant.
- 137. (not entered) The cell culture of claim 113, wherein the Wnt polypeptide is recombinant.
- 138. (not entered) The cell culture of claim 114, wherein the Wnt polypeptide is recombinant.
- 139. (not entered) The cell culture of claim 115, wherein the Wnt polypeptide is recombinant.
- 140. (not entered) The cell culture of claim 116, wherein the Wnt polypeptide is recombinant.
- 141. (not entered) The cell culture of claim 117, wherein the Wnt polypeptide is recombinant.
- 142. (not entered) The cell culture of claim 118, wherein the Wnt polypeptide is recombinant.
- 143. (not entered) The cell culture of claim 34, wherein the Wnt polypeptide has been exogenously added to the cell culture.
- 144. (not entered) The cell culture of claim 35, wherein the Wnt polypeptide has been exogenously added to the cell culture.

Applicant : Jiro Kishimoto et al.  
Serial No. : 09/822,722  
Filed : March 30, 2001  
Page : 5

Attorney's Docket No. 10287-058001

145. (not entered) The cell culture of claim 109, wherein the Wnt polypeptide has been exogenously added to the cell culture.

146. (not entered) The cell culture of claim 110, wherein the Wnt polypeptide has been exogenously added to the cell culture.

147. (not entered) The cell culture of claim 111, wherein the Wnt polypeptide has been exogenously added to the cell culture.

148. (not entered) The cell culture of claim 112, wherein the Wnt polypeptide has been exogenously added to the cell culture.

149. (not entered) The cell culture of claim 113, wherein the Wnt polypeptide has been exogenously added to the cell culture.

150. (not entered) The cell culture of claim 114, wherein the Wnt polypeptide has been exogenously added to the cell culture.

151. (not entered) The cell culture of claim 115, wherein the Wnt polypeptide has been exogenously added to the cell culture.

152. (not entered) The cell culture of claim 116, wherein the Wnt polypeptide has been exogenously added to the cell culture.

153. (not entered) The cell culture of claim 117, wherein the Wnt polypeptide has been exogenously added to the cell culture.

154. (not entered) The cell culture of claim 118, wherein the Wnt polypeptide has been exogenously added to the cell culture.

Applicant : Jiro Kishimoto et al  
Serial No. : 09/822,722  
Filed : March 30, 2001  
Page : 6

Attorney's Docket No. 10287-058001

155. (not entered) The cell culture of claim 34, further comprising a cell that expresses the Wnt polypeptide.

156. (not entered) The cell culture of claim 35, further comprising a cell that expresses the Wnt polypeptide.

157. (not entered) The cell culture of claim 109, further comprising a cell that expresses the Wnt polypeptide.

158. (not entered) The cell culture of claim 110, further comprising a cell that expresses the Wnt polypeptide.

159. (not entered) The cell culture of claim 111, further comprising a cell that expresses the Wnt polypeptide.

160. (not entered) The cell culture of claim 112, further comprising a cell that expresses the Wnt polypeptide.

161. (not entered) The cell culture of claim 113, further comprising a cell that expresses the Wnt polypeptide.

162. (not entered) The cell culture of claim 114, further comprising a cell that expresses the Wnt polypeptide.

163. (not entered) The cell culture of claim 115, further comprising a cell that expresses the Wnt polypeptide.

164. (not entered) The cell culture of claim 116, further comprising a cell that expresses the Wnt polypeptide.

Applicant : Jiro Kishimoto et al.

Attorney's Docket No. 10287-058001

Serial No. : 09/822,722

Filed : March 30, 2001

Page : 7

165. (not entered) The cell culture of claim 117, further comprising a cell that expresses the Wnt polypeptide.

166. (not entered) The cell culture of claim 118, further comprising a cell that expresses the Wnt polypeptide.

167. (not entered) A cell culture comprising an isolated dermal papilla (DP) cell, cell culture medium, and a recombinant Wnt polypeptide selected from the group consisting of: Wnt 3, Wnt 3a, Wnt 4, Wnt 7a and Wnt 7b in an amount sufficient to promote or maintain the DP cell in anagen phase.

168. (not entered) A method of culturing a dermal papilla (DP) cell, comprising: maintaining the cell culture of claim 34.

169. (not entered) A method of culturing a dermal papilla (DP) cell, comprising: maintaining the cell culture of claim 113.

170-171. (not entered, canceled)